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(54) **SPEAKER SYSTEM**

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(57) Abstract:

**PROBLEM TO BE SOLVED:** To provide a speaker system wherein two listeners present in the same space can listen to sounds of separate sound sources, the system is downsized, a suppression ratio with respect to the sound from other sound source is increased, and a suppression effect can be obtained over a wide area.

**SOLUTION:** In the speaker system wherein a sound wave for canceling a sound wave outputted from a woofer 6a, a tweeter 7a is outputted from a woofer 6b and a tweeter 7b resulting from signals from two sound sources via digital filters and delay units or the like so as to cancel a crosstalk sound from the woofer 6a and the tweeter 7a in an area in front of the woofer 6b and the tweeter 7b thereby allowing the listeners to hear only the sound wave from the woofer 6b and the tweeter 7b, the installation interval of the woofers 6a, 6b and the tweeters 7a, 7b is selected to be one wavelength or below and 1/8 wavelength or over (40 cm, 5 cm) with respect to the frequency of the controlled sound wave.

